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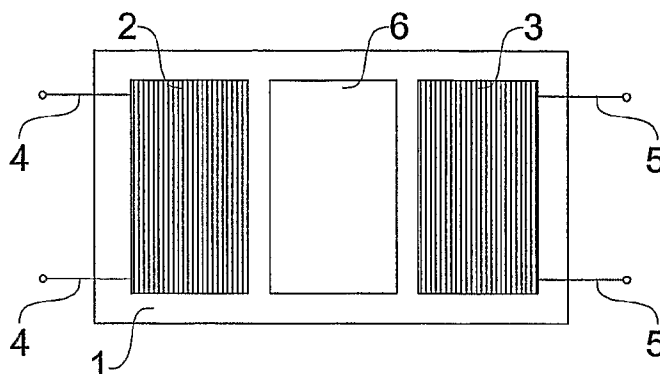
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(54) Title: SURFACE ACOUSTIC WAVE GAS SENSOR WITH SENSITIVE GETTER LAYER AND PROCESS FOR ITS MANUFACTURE



(57) Abstract: Surface acoustic wave gas sensor, in particular a vacuum or hydrogen sensor, comprising a piezoelectric substrate (1) on which at least one layer of a gas-sensitive material (6) is arranged between two inter-digital transducers (2, 3) and comprises a getter material, so that the molecules sorbed by this getter material can vary the frequency of a signal transmitted between the two transducers (2, 3). The present invention also relates to a process for manufacturing this sensor.

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